IPL PRO Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IPL PRO enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IPL PRO enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Streaming Media
Manufacturer: Extron
Firmware Version: 2.00
Model(s): SME 100

Version History:

Driver Version	Date	Firmware	GC (Plus/Pro) Version	Notes
1	9/12/2013	1.0	1.0	Initial version. Extron Certified. Tested on model SME 100.

Driver Notes:

- User Defined Command sends User Defined String out of the port.

Control Commands & States:

Aspect Ratio[1]	Fill	Follow	
Audio Bit Rate	16 – 384		
Audio Delay	0 – 999		
Audio Mute	On	Off	
Auto Image	None		
Bit Rate Control Type	Variable	Constrained Variable	Constant
Closed Caption	On	Off	
Encoder Profile Type	Base	Main	High
Executive Mode	On	Off	
Film Mode[1]	Enable	Disable	
Frame Rate	1 to 30		
Gain	-15 to 15		
GOP Length	1 – 30		
Input[2]	1 - 3		
Multicast IP	*IP Address*		
Multicast Port	1024 – 65535		
Output Resolution	166x120	176x144	320x240
	352x288	480x320	480x360
	640x360	640x480	720x486
	800x480	720x576	800x600
	1024x764	1280x720	1920x1080
Power Save Mode	On	Off	
Push Stream Control	Enable	Disable	
Recall Encoder Preset	1 - 16		
Recall Input Preset	1 - 128		

[1] This command requires a Input Parameter to be set.
[2] This command requires a Tie Type Parameter to be set. Tie Type can be Audio, Video or Video and Audio.

Control Commands & States (Continued):

Recall Streaming Preset	1 - 16	
Recall User Preset	1 - 16	
Save Encoder Preset	1 - 16	
Save Input Preset	1 - 128	
Save Streaming Preset	1 - 16	
Save User Preset	1 - 16	
Stream Method	Unicast	Multicast
Stream Mode	Video Audio	Video Only
User Defined Command	None	
User Defined String	String	
Video Bit Rate	200 to 10000	
Video Mute	On	Off

Status Available:

Aspect Ratio[1]	Fill	Follow	
Audio Bit Rate	16 – 384		
Audio Delay	0 – 999		
Audio Mute	On	Off	
Bit Rate Control Type	Variable	Constrained Variable	Constant
Connection Status	Connected	Disconnected	
Encoder Profile Type	Base	Main	High
Executive Mode	On	Off	
Film Mode[1]	Enable	Disable	
Frame Rate	1 to 30		
Gain	-15 to 15		
GOP Length	1 – 30		
Input[1]	1 - 3		
Multicast IP	*IP Address*		
Multicast Port	1024 – 65535		
Output Resolution	166x120	176x144	320x240
	352x288	480x320	480x360
	640x360	640x480	720x486
	800x480	720x576	800x600
	1024x764	1280x720	1920x1080
Power Save Mode	On	Off	
Push Stream Control	Enable	Disable	
Stream Method	Unicast	Multicast	
Stream Mode	Video Audio	Video Only	
User Defined String	String		
Video Bit Rate	200 to 10000		
Video Mute	On	Off	

[1] This command requires a Tie Type Parameter to be set. Tie Type can be Audio, Video or Video and Audio.

Cable and Adapter Requirements:

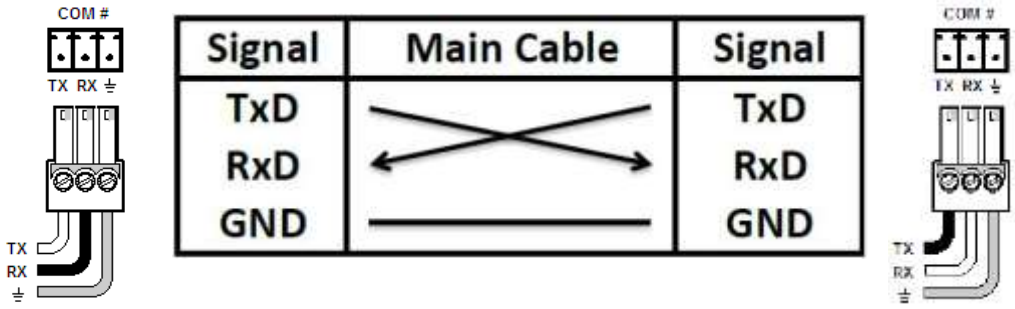
CS/CS Serial Cable

Notes for the Device:

Serial communication:

Port Type:	RS-232	**Data Bits:**	8
Baud Rate:	300, 600, 1200, 1800, 2400, 4800, 9600 (default), 19200, 38400 57600, 115200	**Parity:**	None
		Stop Bits:	1
		Flow Control:	None

Pin Assignments Diagram:



Note: Captive screw connector may also be used as a serial connection.

General Notes:

Network communication:

When configuring the Ethernet driver, be sure device settings match that of the GC configuration.

Port Type:	Ethernet
Default Port:	23
Multi-Connection Capabilities:	Yes
Port Changeability:	Yes
Logon Credentials Supported:	Yes

Ethernet Driver Configuration Description:

Please refer to user manual for settings and changes to the network communication.
If User password is used for Authentication then control of the device may be limited.

Notes for the Device: